

## Special Issue

# N-Terminal Protein Modifications and Human Diseases

### Message from the Guest Editor

N-terminal protein modifications include acetylation of the initiator methionine, removal of the initiator methionine followed by acetylation, myristoylation, or methylation of the newly exposed N-terminal residue. These modifications can change the chemical nature of a protein at its N-terminus, thereby affecting its stability, cellular localization, and/or its biological function. Changes in N-terminal modifications play critical roles in human diseases. By synthesizing research on N-terminal protein modifications, further discoveries regarding the cellular pathways underlying human disease can be made and new approaches to treat a variety of human diseases can be further explored. This special issue will include research on the molecular mechanisms underlying the biological activities of the enzymes involved in N-terminal protein modifications, the crosstalk between these modification processes, new approaches for identifying and quantifying modifications, the links between modification processes with human disease outcomes, and innovative strategies for selectively interfering with these processes.

---

### Guest Editor

Dr. Yie Hwa Chang

Edward A. Doisy Department of Biochemistry and Molecular Biology,  
Saint Louis University Medical School, Saint Louis, MO 63104, USA

---

### Deadline for manuscript submissions

closed (24 February 2023)



## Life

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.9  
CiteScore 7.1  
Indexed in PubMed



[mdpi.com/si/117013](https://mdpi.com/si/117013)

*Life*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[life@mdpi.com](mailto:life@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[life](https://mdpi.com/journal/life)





# Life

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.9  
CiteScore 7.1  
Indexed in PubMed



[mdpi.com/journal/  
life](https://mdpi.com/journal/life)



## About the Journal

### Message from the Editor-in-Chief

*Life* (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

---

### Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona  
Institute of Science and Technology, 08028 Barcelona, Spain

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)